

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-25 (canceled)

Claim 26 (new): A gel electrolyte secondary cell comprising:
a positive electrode;

a negative electrode comprising a current collector and a powder mixture composed of a graphite material having a specific surface area that ranges from $0.1 \text{ m}^2/\text{g}$ to $3.6 \text{ m}^2/\text{g}$; and

a gel electrolyte comprising an electrolyte salt, a non-aqueous solvent and a high-molecular weight material, wherein the non-aqueous solvent comprising propylene carbonate and ethylene carbonate, and wherein a content of propylene carbonate ranges from 10 mol% to 75 mol%.

Claim 27 (new): The gel electrolyte secondary cell according to claim 26 wherein the high-molecular weight material contains a nitrile group in a side chain thereof.

Claim 28 (new): The gel electrolyte secondary cell according to claim 27 wherein the high-molecular weight material is polyacrylonitrile.

Claim 29 (new): The gel electrolyte secondary cell according to claim 28 wherein a molar ratio of an acrylonitrile monomer to the non-aqueous solvent is 5:95 to 30:70.

Claim 30 (new): The gel electrolyte secondary cell according to claim 26, wherein the electrolyte salt of the non-aqueous solvent is LiPF_6 and wherein a concentration of LiPF_6 with respect to non-aqueous solvent is $0.4 \text{ mol}/\text{cm}^3$ to $2 \text{ mol}/\text{cm}^3$.

Claim 31 (new): The gel electrolyte secondary cell according to claim 26 wherein the positive electrode contains a lithium-containing compound.

Claim 32 (new): The gel electrolyte secondary cell according to claim 31 wherein the lithium-containing compound is a complex compound of lithium and a transition metal.

Claim 33 (new): The gel electrolyte secondary cell according to claim 26 wherein a mean particle size of the graphite material ranges from 5 μm to 100 μm .

Claim 34 (new): The gel electrolyte secondary cell according to claim 26 wherein the negative electrode contains a graphite material obtained by sintering meso-carbon micro-beads.

Claim 35 (new): The gel electrolyte secondary cell according to claim 26 wherein the non-aqueous solvent includes at least one compound selected from the group consisting of γ -butyrolactone, methyl ethyl carbonate and dimethyl carbonate in addition to propylene carbonate and ethylene carbonate.

Claim 36 (new): The gel electrolyte secondary cell according to claim 26 wherein the high molecular weight material has a number average molecular weight ranging from 5000 to 500000.